INTERNATIONAL JOURNAL OF CLIMATOLOGY, VOL. 14 1169–1170 (1994)

REFERENCE INDEX VOLUME 14 1994

1 Allen S.J., Wallace, J.S., Gash, J.H.C. and Sivakumar, M.V.K. Measurements of albedo variation over natural vegetation in the Sahel. 14: 626-636, 1994.

2 Arnfield, A.J. and Mills, G.M. An analysis of the circulation characteristics and energy budget of a dry, asymmetric, east-west urban canyon. 1. Circulation characteristics. 14: 119-134, 1994.

3 Ball, T. Climate of two locations on the southwestern corner of Hudson Bay: AD 1720-1729. 14: 1151-1168, 1994.

4 Bartzokas, A., Metaxas, D.A. and Ganas, I.S. Spatial and temporal sea-surface temperature covariances in the Mediterranean. 14: 201-213, 1994.

5 Bloomfield, P. and Davis, J.M. Orthogonal rotation of complex principal components. 14:759-775,1994.

6 Brazdil, R., Flocas, A.A.,and Sahsamanoglou,H.S. Fluctuation of sunshine duration in central and south-eastern Europe. 14:1017-1034,1994.

7 Briffa, K.R., Jones, P.D., and Hulme, M. Summer moisture variability across Europe, 1892-1991: An analysis based on the Palmer Drought Severity Index. 14:475-506,1994.

8 Cacciamani, C., Nanni, S., and Tibaldi, S. Mesoclimatology of winter temperature and precipitation in the Po Valley of Northern Italy. 14:777-814,1994.

9 Carleton, A.M., Travis, D., Arnold, D., Brinegar, R., Jelinski, D.E., and Easterling, D.R. Climate-scale vegetation-cloud interactions during drought using satellite data. 14:593-623,1994.

10 Chan, J.C.L. Prediction of the interannual variations of tropical cyclone movement over regions of the western North Pacific. 14:527-538,1994.

11 Changnon, D. Regional and temporal variations in heavy precipitation in South Carolina. 14:165-177,1994.

12 Chu, P. and He, Y. Long-range prediction of Hawaiian winter rainfall using canonical correlation analysis. 14:659-669,1994.

13 Cook, E.R., Briffa, K.R., and Jones, P.D. Spatial regression methods in dendroclimatology: A review and comparison of two techniques. 14:379-402, 1994.

14 Currie, R.G. Luni-solar 18.6- and 10-11-year solar cycle signals in H.H. Lamb's dust veil index. 14:215-226, 1994.

15 Currie, R.G. Variance contribution of luni-solar and solar cycle signals in the St Lawrence an Nile River records. 14:843-852, 1994

16 Davis, R.E. and Benkovic, S.R. Spatial and temporal variations of the January circumpolar vortex over the Northern Hemisphere. 14:415-428, 1994.

17 Devara, P.C.S., Raj, P.E., Sharma, S., and Pandithurai, G. Lidar-observed long-term variations in urban aerosol characteristics and their connection with meteorological parameters. 14:581-591, 1994.

18 Driscoll, D.M., Rice, P.B., and Yee Fong, J.M. Spatial variation of climatic aspects of temperature: Interdiurnal variability and lag. 14:1001-1008, 1994.

19 Fisch, G., Wright, I.R., and Bastable, H.G. Albedo of tropical grass: A case study of pre- and post-burning. 14:103-107, 1994.

20 Gautam, N., Kishtawal, C.M., and Pandey, P.C. NOAA TOVS-derived moisture fields over the Arabian Sea and the Bay of Bengal and their association with the south-west Monsoon. 14:47-59,1994.

21 Henderson, K.G. and Robinson, P.J. Relationships between the Pacific/North American teleconnection patterns and precipitation events in the south-eastern USA. 14:307-323, 1994.

22 Henderson-Sellers, A. and McGuffie, K. Land-surface characterization in Greenhouse climate simulations. 14:1065-1094, 1994.

23 Hudson, G. and Wackernagel, H. Mapping temperature using kriging with external drift: theory and an example from Scotland. 14:77-91, 1994.

24 Hulme, M., Zhao, Z., and Jiang, T. Recent and future climate change in East Asia. 14:637-658,1994.

25 Hunt, B.G., Zebiak, S.E., and Cane, M.A. Experimental predictions of climatic variability for lead times of twelve months. 14:507-526, 1994.

26 Iyengar, R.N. and Basak, P. Regionalization of Indian Monsoon rainfall and long-term variability signals. 14:1095-1114, 1994.

27 Jackson, I.J. and Weinland, H. Towards a classification of tropical rainfall stations. 14:263-286, 1994.

28 Jolliffe, I.T. and Sarria-Dodd, D.E. Early detection of the start of the wet season in the tropical climates. 14:71-76, 1994.

29 Kane, R.P. Interannual variability of some trace elements and surface aerosol. 14:691-704, 1994.

30 Katz, R.W. and Acero, J.G. Sensitivity analysis of extreme precipitation events. 14:985-999, 1994.

31 Kemp, P.R., Cornelius, J.M., and Reynolds, J.F. Temporal discontinuities in precipitation in the central North American Prairie. 14:539-557, 1994.

32 Kidson, J.W. Relationship of New Zealand daily and monthly weather patterns to synoptic weather types. 14:723-737, 1994.

33 Kidson, J.W. An automated procedure for the identification of synoptic types applied to the New Zealand region. 14:711-721, 1994

34 King, J.C. Recent climate variability in the vicinity of the Antarctic Peninsula. 14:357-369, 1994.

35 Klassen, J., Hense, A., and Romer, U. Climate anomalies north of 55 degrees N associated with tropical climate extremes. 14:829-842, 1994.

36 Kozuchowski, K., Trepinska, J., and Wibig, J. The air temperature in Cracow from 1826 to 1990: Persistence, fluctuations and the urban effect. 14:1035-1049, 1994.

37 Kuye, A. and Jagtap, S.S. Correlation of solar radiation with climatological data for Port Harcourt, Nigeria. 14:815-825, 1994.

38 Lana, X. and Fernandez Mills, G. Minimum sample size for synoptic water type classification. Application to a winter period data recorded on the Catalan coast (north-east Spain). 14:1051-1060, 1994.

39 Leighton, R.M. Monthly anticyclonicity and cyclonicity in the Southern Hemisphere; averages for January, April, July and October. 14:33-45, 1994.

40 Lui, W.T.H., Massambani, O., and Nobre, C.A. Satellite recorded vegetation response to drought in Brazil. 14:343-354, 1994.

41 Lyons, W.F. and Bonell, M. Regionalization of daily mesoscale rainfall in the tropical wet/dry climate of the Townsville area of north-east Queensland during the 1988-1989 wet season. 14:135-163, 1994.

42 Martinez-Lozano, J.A., Casanovas, A.J., and Utrillas, M.P. Comparison of global ultraviolet (290-385mm) and global irradiation measured during the warm season in Valencia, Spain. 14:93-102, 1994.

43 Michael, K.J., Nunez, M., and Meyers, G. Validation of tropical ocean-atmosphere heat fluxes from marine data against a satellite-base method. 14:429-437, 1994.

44 Millionis, A.E. and Devies, T.D. Box-Jenkins univariate modelling for climatological time series analysis: an application to the monthly activity of temperature inversions. 14:569-579, 1994.

45 Moon, S., Ryoo, S., and Kwon, J. A Markov chain model for daily precipitation occurrence in South Korea. 14:1009-1016, 1994.

46 Moreno-Garcia, M.C. Intensity and form of the urban heat island in Barcelona. 14:705-710, 1994.

47 Moron, V. Guinean and Sahelian rainfall anomaly indices at annual and monthly scales (1933-1990). 14:325-341, 1994.

48 Palutikop, J.P., Goodess, C.M., and Guo, X. Climate change, potential evapotranspiration and moisture availability in the Mediterranean Basin. 14:853-869, 1994.

49 Parker, D.E. Effects of changing exposure of thermometers at land stations. 14:1-14, 1994.

50 Perry, C.A. Solar-irradiance variations and regional precipitation fluctuations in the western USA. 14:969-983, 1994.

51 Perzyna, G. Spatial and temporal characteristics of maximum dry spells in southern Norway. 14:895-909, 1994.

52 Peterson T.C. and Easterling, D.R. Creation of homogeneous composite climatological reference series. 14:671-679, 1994.

53 Prasad, K.D. and Singh, S.V. Exploring the possibility of forecasting monthly 700 hPa geopotential fields over India. 14:371-378, 1994.

54 Prezerakos, N.G. Climatological characteristics of very low humidity in northern Crete due to downslope southerly winds. 14:933-946, 1994.

55 Salinger, M.J., Palmer, J.G., Jones, P.D. and Briffa, K.R. Reconstruction of New Zealand climate indices back to AD 1731 using dendroclimatic techniques: some preliminary results. 14:1135-1149, 1994.

56 Schwartz, M.D. and Skeeter, B.R. Linking air mass analysis to daily and monthly mid-tropospheric flow patterns. 14:439-464, 1994.

57 Seleshi, Y., Demaree, G.R., and Delleur, J.W. Sunspot numbers as a possible indicator of annual rainfall at Addis Ababa, Ethiopia. 14:911-923, 1994.

58 Sevruk, B. and Zahlavova, L. Classification system of precipitation gauge site exposure: Evaluation and application. 14:681-689, 1994.

59 Singh, N. Optimizing a network of rain-gauges over India to monitor summer monsoon rainfall variations. 14:61-70, 1994.

60 Smith, I. Indian ocean sea-surface temperature patterns and Australian winter rainfall. 14:287-305, 1994.

61 Soler, M.R. and Ruiz, C. Urban albedo derived from direct measurements and Landsat 4 TM satellite data. 14:925-931, 1994.

62 Stanhill, G. Changes in the rate of evaporation from the dead sea. 14:465-471, 1994.

63 Topliss, B.J. Can interannual variations in stratospheric ozone be observed in the marine environment? 14:1115-1133, 1994.

64 Turner, J. and Thomas, J.P. Summer-season mesoscale cyclones in the Bellingshausen-Weddell region of the Antarctic and links with the synoptic-scale environment. 14:871-894,1994

65 Wagner, R.G. and da Silva, A.M. Surface conditions associated with anomalous rainfall in the Guinea coastal region. 14:179-199, 1994.

66 Waylen, P.R., Quesada, M.E., and Caviedes, C.N. The effects of El Nino-Southern Oscillation on precipitation in San Jose, Costa Rica. 14:559-568, 1994.

67 Webber, G.R. Seasonal and regional 300 hPa heights; 300-1000 hPa thickness and associated 300 hPa zonal flow changes in the Northern Hemisphere between 1976 and 1990. 14:751-758, 1994.

68 Willmott, C.J., Robeson, S.M., and Feddema, J.J. Estimating continental and terrestrial precipitation averages from rain-gauge networks. 14:403-414, 1994.

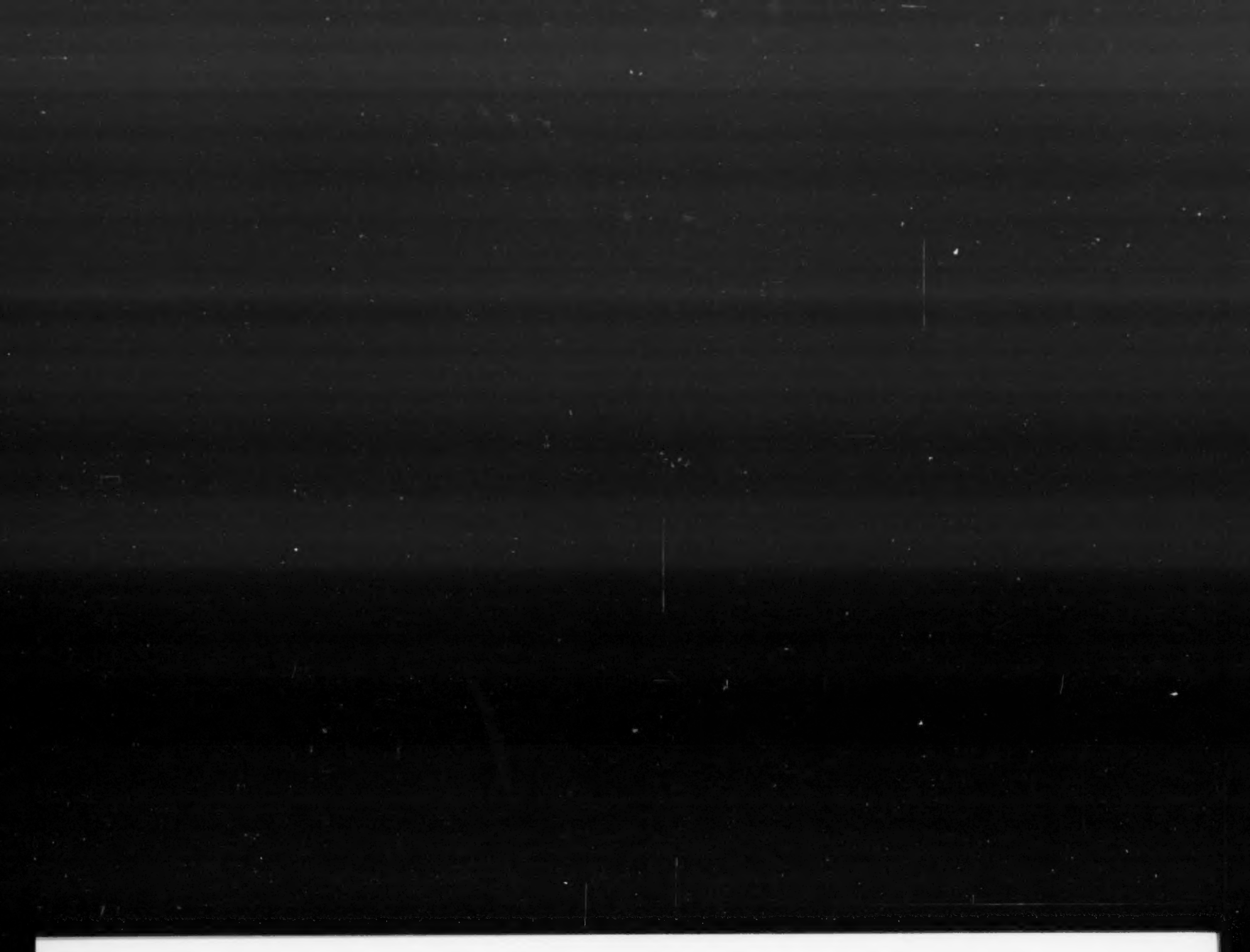
69 Yang, S. and Xu, L. Linkage between Eurasian winter snow cover and regional Chinese summer rainfall. 14:739-750, 1994.

70 Yin, Z. Moisture condition in the south-eastern USA and teleconnection patterns. 14:947-967, 1994.

AUTHOR INDEX

Author	Ref ID
Acero, J G	30
Allen, S J	1
Arnfield, A J	2
Arnold, D	9
Ball, T	3
Bartzokas, A	4
Basak, P	26
Bastable, H G	19
Benkovic, S R	16
Bloomfield, P	5
Bonell, M	41
Brazdil, R	6
Briffa, K R	7, 13, 55
Brinegar, R	9
Cacciamani, C	8
Cane, M A	25
Carleton, A M	9
Casanovas, A J	42
Caviedes, C N	66
Chan, J C L	10
Changnon, D	11
Chu, P-S	12
Cook, E R	13
Cornelius, J M	31
Currie, R G	14, 15
da Silva, A M	65
Davies, T D	44
Davis, J M	5
Davis, R E	16
Delleur, J W	57
Demaree, G R	57
Devara, P C S	17
Driscoll, D M	18
Easterling, D R	9, 52
Feddema, J J	68
Fernandez-Mills, G	38
Fisch, G	19
Flocas, A A	6
Ganas, I S	4
Gash, J H C	1
Gautam, N	20
Goodess, C M	48
Guo, X	48
He, H	12
Henderson, K G	21
Henderson-Sellers, A	22
Hense, A	35
Hudson, G	23
Hulme, M	7, 24
Hunt, B G	25
Iyengar, R N	26
Jackson, I J	27
Jagtap, S S	37
Jelinski, D E	9
Jiang, T	24
Jolliffe, I T	28
Jones, P D	7, 13, 55
Kane, R P	29
Katz, R W	30
Kemp, P R	31
Kidson, J W	32, 33
King, J C	34
Kishtawal, C M	20
Klassen, J	35
Kozuchowski, K	36
Kuye, A	37
Kwon, J-G	45
Lana, X	38
Leighton, R M	39
Lui, W T H	40
Lyons, W F	41
Martinez-Lozano, J A	42
Massambani, O	40
McGuffie, K	22
Metaxas, D A	4
Meyers, G	43
Michael, K J	43
Milionis, A E	44
Mills, G M	2
Moon, S-E	45
Moreno-Garcia, M C	46
Moron, V	47
Nanni, S	8
Nobre, C A	40
Nunez, M	43
Palmer, J G	55
Palutikof, J P	48
Pandey, P C	20
Pandithurai, G	17
Parker, D E	49
Perry, C A	50
Perzyna, G	51
Peterson, T C	52
Prasad, K D	53
Prezerakos, N G	54
Quesada, M E	66
Raj, P E	17
Reynolds, J F	31
Rice, P B	18
Robeson, S M	68
Robinson, P J	21
Romer, U	35
Ruiz, C	61
Ryoo, S-B	45
Sahsamanoglou, H S	6
Salinger, M J	55
Sarria-Dodd, D E	28
Schwartz, M D	56
Seleshi, Y	57
Sevruk, B	58
Sharma, S	17
Singh, N	59
Singh, S V	53
Sivakumar, M V K	1
Skeeter, B R	56
Smith, I	60
Soler, M R	61
Stanhill, G	62
Thomas, J P	64
Tibaldi, S	8
Topliss, B J	63
Travis,D	9
Trepinska, J	36
Turner, J	64
Utrillas, M P	42
Wackernagel, H	23
Wagner, R G	65
Wallace, J S	1
Waylen, P R	66
Webber, G R	67
Weinand, H	27
Wibig, J	36
Willmott, C J	68
Wright, I R	19
Xu, L	69
Yang, S	69
Yee Fong, J M	18
Yin, Z-Y	70
Zahlavova, L	58
Zebiak, S E	25
Zhao, Z-C	24

TOPIC INDEX

Topic	Ref ID
10-11-year term in volcanism	14
18.6-year term in volcanism	14
300 hPa height	67
300 hPa zonal flow	67
300-1000 hPa thickness	67
500 hPa circulation patterns	16
500-hPa height	56
AD 1720-1729, Little Ice Age	3
Addis Ababa	57
Advection	2
Air mass classification	56
Air temperature	36, 49
Albedo	1, 19, 61
Amazonia	19
Annual precipitation variability	50
Anomalies	25, 35
Antarctic Peninsula	34
Antarctica	64
Anticyclonicity	39
Arabian Sea	20
ARMA	57
Arctic 'troposhere'	35
Asian Monsoon systems	69
Atmospheric circulation	32
Australia	43
Australian rainfall	60
Barcelona	46, 61
Bay of Bengal	20
Box-Jenkins modelling	44
Brazil	40
Canonical correlation analysis	12
Canyon vortices	2
Central Europe	6
Chinese rainfall	69
Circulation	12, 34, 67
Circulation characteristics	2
Circulation patterns	21
Circumpolar vortex	16
Classification scheme	33
Climate	22, 35, 48, 52, 55
Climate change	11, 16, 24, 31, 48, 49
Climate controls	11
Climate modelling	1
Climate models	19
Climate predictions	10
Climate processes	21
Climate reconstruction	13
Climate scenarios	24
Climate simulations	22
Climatic fluctuations	53
Climatic indices	63
Climatic regions	32
Climatic variability	25, 40
Climatic variations	34
Climatological data	37
Clouds	9
Cluster analysis	8, 27, 32, 33, 38, 41, 56
Coefficient of variation	51
Coherent regions	26
Columbus, Ohio, USA	2
Continentality	18
Convection	9
Convergence zones	40
Correlation	10, 21, 27, 37, 59, 69
Correlation analysis	52
Correlation coefficients	42
Costa Rica	66
Covariances	4
Cracow	36
Crete	54
Cross validation	12
Cyclicty	6
Cyclones	64
Cyclonicity	39
Daily precipitation occurence	45
Dead sea	62
Dendroclimatology	13, 55
Density	62
Discontinuities	52
Discriminant analysis	28
Dissimilarity analysis	31
Doubled-C02	22
Downslope winds	54
Drought	7, 9, 31
Drought analysis	50
Drought monitoring	40
Dry season	19
Dry spells	51
Dust veil index	14
Early detection	28
East Asia	24
El Nino events	25
El Nino-Southern Oscillation	66
Empirical models	37
Empirical orthogonal analysis	12
Empirical orthogonal functions analysis	8
Endemic species	55
Energy budget	2
ENSO	35
Eurasian snow cover	69
Europe	7
Evaporation	62
EVI probability distribution	51
Exposure	49, 58
External drift	23
Extreme events	30
Fallow	1
Flow patterns	56
Fluctuation	6, 36, 50
Fohn effect	54
Forecasting	53
Gauge site	58
Geopotential fields	53
Global circulation models (GCMs)	3, 22, 24, 68, 25
Global hydrological cycle	68
Global insolation	37
Global warming	48
Grass	19
Greenhouse	22
Guinea coast	65
Hawaii	12
Heat balance	62
Heat budget	65
Heat island	46
Heavy precipitation	11
Historical climate	3
Historical station	36
Homogeneity	52
Horizontal convergence	2
Hudson Bay	3
India	20, 26, 53, 59
Inter-annual climate flucuations	33
Interannual variability	10, 26, 29, 34, 63, 65, 69
Interannual variations	66
Interdiurnal changes	18
Intertropical convergence zones (ITCZ)	66
January temperatures	23
Kansas	31
Lag	18
Land stations	49
Land surface	9, 22
Least squares theory	13
Lidar	17
Lower atmosphere	17
Luminosity	57
Luni-solar cycle	15
Marine environment	63
Marine weather reports	43
Markov chain	45
Maximum entropy spectrum analysis (MESA)	14
Mediterranean	4
Mediterranean Basin	48
Mesoclimatology	8
Mesoscale	9, 41
Mesoscale vortices	64
Meteorological parameters	17
Mid-troposphere	56
Mid-west USA	9
Minimum sample size	38
Model validation	24
Moisture availability	7, 48
Moisture condition	70
Moisture fields	20
Monsoon	20, 26, 35, 59

Topic	Ref ID
Monthly 700 hPa	53
Multiple linear regression	59, 60
Multiplicative ARMA	57
Multispectral data	40
Multivariate approach	27
Multivariate statistics	35
New Zealand	32, 33, 55
Nigeria	37
Nile River	15
Non-stationary geostatistics	23
North America	18
North American Prairie	31
North Central USA	56
North Pacific	12
North-east Spain	38
Northern Hemisphere	16, 67
Northern Italy	8
Norway	51
NOVI	40
Ocean-atmosphere heat fluxes	43
Ocean-atmospheric models	25
Oceans	65
Optimal number of groups	38
Optimization	59
Pacific/North American pattern	21
Palmer Drought Severity Index	7, 70
Persistence	36
Po Valley	8
Polar front zone	18
Polar lows	64
Potential evapotranspiration	48
Power transform distribution	30
Precipitation	8, 30, 31, 48, 50, 66
Precipitation averages	68
Precipitation events	3, 21
Precipitation measurement	58
Precipitation variability	11
Predictability	60
Prediction equations	53
Predictions	10, 12, 25
Pressure gradients	55
Pressure patterns	56
Principal component	4, 5, 10, 26,63
Principal component analysis	6, 7, 16, 27, 38, 41, 47, 60, 70
Probability distribution	66
Pune, India	17
Quasi-biennial Osillation	29
Queensland	41
Rain-gauges	59, 68
Rainfall	25, 26, 41, 57, 65
Rainfall anomaly indices	47
Rainfall variability	21
Random sampling	68
Reconstruction	55
Reference series	52
Regional variations	11
Regionalization	26, 41
Regression analysis	37, 48, 55, 70
Regression approach	53
Remote sensing	61
River low flows	51
Rotation	5
Sahel	65
Sahel drought	1
Salinity	62
Satellite analysis	9
Satellite imagery	64
Satellite oceanography	43
Satellites	20, 40, 61
Savanna	1
Scotland	23
Sea ice	34
Sea surface temperature (SST)	4, 25, 29, 60
Sea-level pressure	5, 12
Sea-level pressure patterns	32
Seasonal variation	1, 33
Semi-arid tropics	40
Sensible heat flux	2
Sensitivity analysis	30
Shortwave reflection coefficient	1
Shortwave solar radiation	19
Simultaneous correlations	60
Skill	60
Solar cycle signals	14, 15
Solar irradiance	29
Solar radiation	37
Solar-weather relations	50
South Carolina	11
South Korea	45
South-eastern Europe	6
South-eastern USA	21, 70
Southern Hemishpere	39
Southern Ocean	64
Southern Oscillation	12
Spain	30
Spatial degrees of freedom	47
Spatial Regression methods	13
Spatial variability	18, 51
Spectral analysis	7, 17
St Lawrence River	15
Station networks	68
Summer rainfalll	59, 16
Sunshine duration	6
Sunspot numbers	57
Sunspots	3
Surface aerosol	29
Surface conditions	65
Surface temperature	34
Synoptic climatology	16, 32, 33, 64, 67
Synoptic situations	54
Synoptic systems	5
Synoptic weather type classification	38
Teleconnections	16, 21, 70
Temperal discontinuitities	31
Temperature	23, 55
Temperature anomalies	8
Temperature changes	24
Temperature inversions	44
Temperature transects	46
Temperature trends	34
Temperature variability	18
Temporal variations	11, 16, 51
Thermometer screens	49
Tiger-bush	1
Time domain analysis	31
Time series	52
Time series analysis	44
Transects	56
Transfer function plus noise analysis	57
Transition probability	45
Tree rings	13, 55
Tropical burning	19
Tropical climate	28, 35
Tropical Cyclone movement	10
Tropical mesoscale region	43
Tropical North Africa	47
Tropical rainfall	27
Tropics	41, 65
Troposphere	67
Two-step classification algorithm	38
Typology	47
Ultraviolet	63
Underlying variogram	23
Urban aerosols	17
Urban canopy layer	2
Urban canyons	2
Urban climate	2, 46
Urban effect	36, 61
Urban heat island	36
UV solar radiation estimation	42
UV solar radiation measurements	42
Valencia, Spain	42
Varimax criterion	5
Varimax rotation	7
Vegetation	1, 9
Vegetation prediction	22
Very low humidty	54
Warm and cold stages	36
Warm season	42
Water balance	48
Water colour	63
Weather cycle	45
Weather patterns	32
Western North Pacific	10
Western USA	10
Wet season	28, 41
Wind effect	58
Wind fields	2
Wind induced error	58
Winter rainfall	12